

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A drive device for a mechanical press with a two-step speed reduction mechanism for driving a slide of the mechanical press comprising:
 - a drive pinion provided concentrically with a crankshaft;
 - a main gear mounted on said crankshaft;
 - intermediate gears meshing with said drive pinion; and
 - intermediate pinions meshing with said main gear;wherein a plurality of said intermediate gears and said intermediate pinions are concentrically provided with each other.
2. (Original) A drive device for a mechanical press described in claim 1, further comprising:
 - a second set of intermediate gears, wherein said intermediate gears and said second set of intermediate gears are located on opposite sides of said drive pinion in symmetric positions; and
 - a second set of intermediate pinions, wherein said intermediate pinions and said second set of intermediate pinions are located on opposite sides of said main gear on symmetric positions.
3. (Original) A drive device for a mechanical press described in claim 1, further comprising:
 - a drive shaft having an end on which said drive pinion is provided, said drive shaft rotatably engages a hole formed on an end of said crankshaft in order to support another end of the drive shaft.

4. (Original) A drive device for a mechanical press described in claim 2, further comprising:

a drive shaft having an end on which said drive pinion is provided, said drive shaft rotatably engages a hole formed on an end of said crankshaft in order to support another end of the drive shaft.

5. (Currently Amended) ~~A drive device for a mechanical press with a two-step speed reduction mechanism for driving a slide of the mechanical press comprising:~~

~~a drive pinion provided concentrically with a crankshaft;~~

~~a main gear mounted on said crankshaft;~~

~~intermediate gears meshing with said drive pinion;~~

~~intermediate pinions meshing with said main gear; wherein a plurality of said intermediate gears and said intermediate pinions are concentrically provided with each other; and~~ A drive device for a mechanical press described in claim 1, further comprising a brake comprising:

a break shaft; and

a brake pinion formed on said brake shaft and meshing with said intermediate gears.

6. (Original) A drive device for a mechanical press described in claim 5, further comprising:

a second set of intermediate gears, wherein said intermediate gears and said second set of intermediate gears are located on opposite sides of said drive pinion in symmetric positions; and

a second set of intermediate pinions, wherein said intermediate pinions and said second set of intermediate pinions are located on opposite sides of said main gear on symmetric positions.

7. (Original) A drive device for a mechanical press described in claim 5, further comprising:

a drive shaft having an end on which said drive pinion is provided, said drive shaft rotatably engages a hole formed on an end of said crankshaft in order to support another end of the drive shaft.

